

Questions for Mount Tom Station January 11, 2013 call

Is reflecting pool water used for any purpose at the facility ? Why is storm water discharge from this pool permitted (Outfall 006), being such a distance from the facility ? Is service water tank (Outfall 005) comprised of river water or municipal water ?

Is there any reason to maintain Outfall 004 in the permit ? Will plugs be kept in place and water continue to infiltrate prior to any discharge to the CT River ?

Where is the Turbosorp process/equipment located ? Do you have diagrams/pictures you could provide ? When was this system operational ? Confirm that this is a dry system from which there are no washwaters or process waters discharged to storm drains or to wastewater treatment plant (WWTP).

Do you have a copy of the current water balance diagram ? We have one that shows revisions based on generation of washwaters from the Turbosorp unit dated February 2009.

Does facility want Agencies to consider certain requirements or provisions in the new permit? (i.e, reduced monitoring for parameters if warranted, removal of inactive outfalls). Would the permittee want to revisit discharging any Turbosorp wash water and/or Ash Silo water to its WWTP, as was originally requested ?

Does facility have any type of storm water pollution prevention plan (SWPPP) or BMP plan relative to management of coal pile and other areas of the site ? After railcars have been discharged of their coal, are they washed down in any way ?

Discuss any follow-up items or activities based on Dan Granz (EPA) inspection of July 12, 2012.

Can we cite the chlorination procedures that you provided during our December visit ?

Could you provide the facility's capacity factor on a weekly/monthly/annual basis for the last 5 years ?

Is there a septic system on site or is sanitary wastewater sent to local POTW ?

Confirm that it has been since the 1980's that any storm water sampling was conducted from the fly ash pond areas (Outfalls 010 and 011). Does the majority of storm water in this area infiltrate rather than runoff to the river ? What is the latest timeline on capping/closing the former fly ash pond areas ? Any thoughts on whether these outfalls exist or whether they should be kept active ?

Do Outfalls 008 and 009 likewise discharge infrequently? Confirm that area discharging to Outfall 008 is still used for bottom ash storage, while area formerly storing bottom ash and discharging storm water to Outfall 009 is now inactive. What has this area (Outfall 009 basin) been filled with ?

Does flow out of sedimentation basin to Outfall 002 occur based on height in the basin through some type of level sensor or it is pumped out manually as needed ? Aside from flow and pH recording at the Parshall flume, are there other parameters that are sampled for at this location ?

Confirm that non-contact cooling water (NCCW) flows reported on DMRs are based on pump curves instead of flow meters that were installed due to MassDEP request (water withdrawal permit?) For July 2010 DMR, Outfall 001 flow was reported as 136.8 MGD, vs. theoretical maximum of 133.2 MGD - why ?

Is influent and effluent temperature sampling conducted by probes and if so, how often are readings available ? In addition to TRC and TSS, are metals also analyzed at the on-site lab ?

Aside from hypochlorite, sulfuric acid and sodium hydroxide, are there any other chemicals used at the facility which could be present in any storm water discharge or waste stream ? Confirm that no corrosion control or other chemicals are used in any equipment.